

FIGURE 1

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Arabidopsis_(gi 3935185)
corn_(SEQ ID NO:2)
corn_(SEQ ID NO:4)
corn_(SEQ ID NO:6)
soybean_(SEQ ID NO:8)
MKK-----I-SSHYSVVIAILVVVTMTSMCQAVGSN-----VYPLILVPGNGGNQLEVR
MAR-IPQVLAPLLLLLLPAGLR--ELMIDRRPLPKRCRREVLLHPLVLVPGGLTCSELDAR
MVHDMAS-----CSRGGTIVLSKFASTRRAPKQ-----LPPVVVVPGYATNELDAR
MASSLLQQLLSLLLLLPSPLRLREHLSGNHAVSAN-----NFHPIFLVAGVSCSDLEAR
MKKEQEEGL-KIEVATLTVTVVVVMLSLLCTCGASN-----LDPLILIPGNGGNQLEAR

Arabidopsis_(gi 3935185)
corn_(SEQ ID NO:2)
corn_(SEQ ID NO:4)
corn_(SEQ ID NO:6)
soybean_(SEQ ID NO:8)
LDREYKPSVWCSSWLYPIHKKGGWFRWFDAAVLLSPFT-RCFSDRMMLYDPLDDY
LTDAYRPFRAACDE-----GEGVLRLWTNCSDLPAHHYVRCFMEQMALVYDPVANDY
LTELYHPSSPRCA-----HKGKGWFRLYLNYTALEDAADVRCFAEQMATAYDAASDDY
LTEEYRPSVPHCGA-----MKGKGWFGWLKNSSELLSRDYVQCFFEQMSLVYDPAINEY
LTNQYKPTFICESW-YPLIKKNGWFRWFDSSVILAPFT-QCFAERMTLHYHQELDDY

Arabidopsis_(gi 3935185)
corn_(SEQ ID NO:2)
corn_(SEQ ID NO:4)
corn_(SEQ ID NO:6)
soybean_(SEQ ID NO:8)
QNAPGVQTRVPFHFGSTKSLLYDPRLRDATSYMEHLVKLEKKCGYVNDQTIL
RNLPGVETRVRNFGSSRGF-QKNPEHTTWSWCFEVLRNELARA-GYRDGDTLF
RNAQGVETRVPFFGSTRAFRYPDPRNF-SYMDKFVSRLERL-AYRDGENLF
RNLAVETRVPNFGSTRAFSHKNPLKSD--WCLGKLRAALEDM-GYRDGDTMF
ENTPGVETRVPFHFGSTNSLLYINPRLKHITGYMAPLVDSLQKL-GYADGETLF

Arabidopsis_(gi 3935185)
corn_(SEQ ID NO:2)
corn_(SEQ ID NO:4)
corn_(SEQ ID NO:6)
soybean_(SEQ ID NO:8)
GLAASGHPSRVASQFLQDLKQLVEKTSSNEGKPVILLS
APPVPGQPSRSSPATSVGWPSLVEDASRKNRGRKVILFG
AVAPPGHPSRVADAFFGRLRRLVERASRANGGPPVTIVA
APSPGQTSEVYSRYFKELMELVEAASERTR-KKAVILG
GLAAEGHPSQVGSKFLKDLKNLIEEASNSNNGKPVILLS

Arabidopsis_(gi 3935185)
corn_(SEQ ID NO:2)
corn_(SEQ ID NO:4)
corn_(SEQ ID NO:6)
soybean_(SEQ ID NO:8)
RKYIKHFVALAAPW-GGTISQMKTFASGNTLG-VPLVNPL--LVRRHQRTSESQWLLPS
DRYIKHLFLVAPVPAEGFVKPLQYFVSGSNLMYVPTVSSLEPAFRPMWRTFESSLVNFPS
RRFVRRFPVPAAPW-GGVVIGMLTIVAGNNLG-LPFVDPL--ALKGEYRSLOSSLWPLPN
REHIERLVVAPTLPGGFLEPVRNFASGTDILYVPATTPLAT--RAMWRSFESAIVNFPS
KKFIKHFIALSAPW-GGAIDEMYTFASGNTLG-VPLVDPL--LVRDEQRSSESNLWLLPN

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Arabidopsis_(gi 3935185)	TKVFHDRTKPLVVTPQVNYTA--YEMDRFFADIGFSQGVVPYKTRVLPLTEELMTPGVPV		
corn_(SEQ ID NO:2)	PAVFGR--RPLVVTARRNYS--YDLELLVAVGYGAGVEPFRRAVPKMSYFQAPMVPT		
corn_(SEQ ID NO:4)	PNAFRA-GQPLVTTTSTRTYTA--HDMADFLDAIGLAAIVPYQSRVLPFLRELPSRPVPV		
corn_(SEQ ID NO:6)	PAVFGRLQAPLVVTRERNYSASAHDMERFLAAVGSGEAAEPFRRAVPKMGSAAPMVPM		
soybean_(SEQ ID NO:8)	PKIF-GPQKPIVITPIRPYSA--HDMVDFLKDIGFPEGVYPYETRIPLIGNIKAPQVPI		
Arabidopsis_(gi 3935185)	TCIY	KQPEIK-	ASLAAL-----KVDS-LN
corn_(SEQ ID NO:2)	TCMN	ATPEIV-	VSMLAFDEKMRRQPEQNKVYK
corn_(SEQ ID NO:4)	ACVV	VTPEMV-	VSL LAVDP-AWRLPTA-Y-FR
corn_(SEQ ID NO:6)	TYIS	AAPEVAA	ISVLAFEKEMRRQPEQKKQFK
soybean_(SEQ ID NO:8)	TCIM	ERPEIS-	VSL LALQS-LWKEEKNQY-LK
Arabidopsis_(gi 3935185)	TVEIDGVSHTSILKDEIALKEIMKQISIINY--ELANVNAVNE		
corn_(SEQ ID NO:2)	SIKIRGAQHGTIVTDDTALKRVMHEILEANR-----S		
corn_(SEQ ID NO:4)	MLKVRNVSHGTGLFVDDAALAVIISAI-----LRPN		
corn_(SEQ ID NO:6)	SIKINKAQHSTIVTDDFALHHRVIOEIVEANNQK-----IPS		
soybean_(SEQ ID NO:8)	VVKIDGVSHTSILKDEVALNEIVGEITSINSHAEGLSLNLFSG		